Siu Chun Michael Ho

List of Publications by Year
in descending order

25	1,132	430874 18	610901 24
papers	citations	h-index	g-index

25	25	25	800
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modified Leakage Rate Calculation Models of Natural Gas Pipelines. Mathematical Problems in Engineering, 2020, 2020, 1-10.	1.1	6
2	Feasibility study of a touch-enabled active sensing approach to inspecting subsea bolted connections using piezoceramic transducers. Smart Materials and Structures, 2020, 29, 085038.	3.5	17
3	Modeling and analysis of an impact-acoustic method for bolt looseness identification. Mechanical Systems and Signal Processing, 2019, 133, 106249.	8.0	72
4	Monitoring of early looseness of multi-bolt connection: a new entropy-based active sensing method without saturation. Smart Materials and Structures, 2019, 28, 10LT01.	3.5	51
5	Structural Damage Detection and Health Monitoring. Applied Sciences (Switzerland), 2019, 9, 4027.	2.5	2
6	Negative Pressure Waves Based High Resolution Leakage Localization Method Using Piezoceramic Transducers and Multiple Temporal Convolutions. Sensors, 2019, 19, 1990.	3.8	11
7	Design and control performance of a frictional tuned mass damper with bearingâ€“shaft assemblies. JVC/Journal of Vibration and Control, 2019, 25, 1812-1822.	2.6	20
8	Design of a New Stress Wave-Based Pulse Position Modulation (PPM) Communication System with Piezoceramic Transducers. Sensors, 2019, 19, 558.	3.8	43
9	A Novel Embeddable Tubular Piezoceramics-Based Smart Aggregate for Damage Detection in Two-Dimensional Concrete Structures. Sensors, 2019, 19, 1501.	3.8	20
10	Implementation of Shape Memory Alloy Sponge as Energy Dissipating Material on Pounding Tuned Mass Damper: An Experimental Investigation. Applied Sciences (Switzerland), 2019, 9, 1079.	2.5	17
11	Experimental Study on Vibration Control of Suspended Piping System by Single-Sided Pounding Tuned Mass Damper. Applied Sciences (Switzerland), 2019, 9, 285.	2.5	30
12	Interfacial debonding detection in fiber-reinforced polymer rebarâ€“reinforced concrete using electro-mechanical impedance technique. Structural Health Monitoring, 2018, 17, 461-471.	7.5	85
13	A Novel Fractal Contact-Electromechanical Impedance Model for Quantitative Monitoring of Bolted Joint Looseness. IEEE Access, 2018, 6, 40212-40220.	4.2	129
14	Tapping and listening: a new approach to bolt looseness monitoring. Smart Materials and Structures, 2018, 27, 07LT02.	3.5	102
15	Acoustic emission monitoring and finite element analysis of debonding in fiber-reinforced polymer rebar reinforced concrete. Structural Health Monitoring, 2017, 16, 674-681.	7.5	46
16	Wireless energy harvesting using time reversal technique: An experimental study with numerical verification. Journal of Intelligent Material Systems and Structures, 2017, 28, 2705-2716.	2.5	16
17	Scour Monitoring System Using Fiber Bragg Grating Sensors and Water-Swellable Polymers. Journal of Bridge Engineering, 2017, 22, .	2.9	27
18	Monitoring Concrete Deterioration Due to Reinforcement Corrosion by Integrating Acoustic Emission and FBG Strain Measurements. Sensors, 2017, 17, 657.	3.8	114

#	Article	IF	Citations
19	A Review of Rock Bolt Monitoring Using Smart Sensors. Sensors, 2017, 17, 776.	3.8	98
20	Underwater pipeline impact localization using piezoceramic transducers. Smart Materials and Structures, 2017, 26, 107002.	3.5	40
21	Real time bolt preload monitoring using piezoceramic transducers and time reversal techniqueâ€"a numerical study with experimental verification. Smart Materials and Structures, 2016, 25, 085015.	3.5	65
22	Feasibility study of using smart aggregates as embedded acoustic emission sensors for health monitoring of concrete structures. Smart Materials and Structures, 2016, 25, 115031.	3.5	62
23	Structures in Challenging Environments: Dynamics, Controls, Smart Structures, Health Monitoring, and Sensors. , 2016, , .		2
24	Application of support vector machine for pattern classification of active thermometry-based pipeline scour monitoring. Structural Control and Health Monitoring, 2015, 22, 903-918.	4.0	31
25	FBG Sensor for Contact Level Monitoring and Prediction of Perforation in Cardiac Ablation. Sensors, 2012, 12, 1002-1013.	3.8	26